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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/809,435	03/16/2001	Karl-Heinz Krieg	225/49759	4936

7590 12/23/2002

EVENSON, McKEOWN, EDWARDS & LENAHA, P.L.L.C.  
1200 G Street, N.W., Suite 700  
Washington, DC 20005

EXAMINER

HANIG, RICHARD E

ART UNIT PAPER NUMBER

2873

DATE MAILED: 12/23/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/809,435

Applicant(s)

KRIEG ET AL.

Examiner

Richard Hanig

Art Unit

2873

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3,5-13,16-20,23 and 26-32 is/are rejected.
- 7) ☒ Claim(s) 2,4,14,21,22,24 and 33-35 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 March 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 5-7, 25 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for stripping away the protective film using the storage container, does not reasonably provide enablement for stripping away the protective film using the heating device. Also from fig. 1, there appears to be a preheating device (10) and storage device (7); and in fig. 2 there is heating device (18), and the specification implies that it is the preheating device that would be doing the stripping away not the heating device, but this not stated nor are there drawings showing this limitation. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make the invention commensurate in scope with these claims. Stripping away the protective film using either the preheating or heating device is not shown or enabled.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 8-13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. These claims do not properly limit their direct parent claims in that the parent claims already have stripping away of the protective film using the heating device, therefore these claims of stripping away the protective film using the storage device should depend on 1 and/or 2.

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5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1, 3, 8-13, 15, 16-20, 23, 26-29, 30-32, are rejected under 35 U.S.C. 103(a) as being unpatentable over the applicant's statement of the prior art in view of reference 6355127. For claims 1, 16, 30, the applicant on pages 1-3 has described the prior art of adhesive bonding of a backing plate for a sensor assembly to a vehicle window using standard heating devices, but the prior art that is stated does not discuss the use of IR heating, however, reference 6355127 in col. 25, lines 5-10 teach the use of IR heating. It would have been obvious to one of ordinary skill in the art to use IR heating because the heating can be done through a protective glass enclosure and this heating through glass is mentioned by reference 6355127 (col. 25, lines 13-14). Arranging the backing plate in a storage box and the stripping away of the protective film using the storage box means are well known assembly line techniques that are used to increase speed of production. Also the use of robot means or other pressing means are well known design choices to speed up assembly line operations ( see reference 6355127, col. 25, lines 37-40).

7. Claims 2, 4, 14, 21, 22, 24, 34-35 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. In the claimed invention the use of preheating is not shown or suggested in the prior art.

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9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Reference 5110387 discuss IR heating (see claims 6-7), reference 6284360 discusses IR heating (see their examples 47 and 48).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Hanig whose telephone number is 703-308-4853. The examiner can normally be reached on M-F: 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Epps can be reached on 703-308-4883. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7722 for regular communications and 703-308-7721 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

*RAH*

December 11, 2002

*Georgia Epps*  
Georgia Epps  
Supervisory Patent Examiner  
Technology Center 2800